

What is claimed is:

- 1035556-110901
1. A liquid crystal display device comprising pixel electrodes, a dielectric overlapped on the ends of the pixel electrodes, an oriented film covering the pixel electrodes and the dielectric, and liquid crystals on the oriented film, the liquid crystals having a positive dielectric anisotropy, and the dielectric having a relative dielectric constant larger than a relative dielectric constant of the liquid crystals in the direction of long axis.
 2. A liquid crystal display device comprising pixel electrodes, a dielectric overlapped on the ends of the pixel electrodes, an oriented film covering the dielectric and the pixel electrodes, and liquid crystals on the oriented film, the liquid crystals having a negative dielectric anisotropy, and the dielectric having a relative dielectric constant larger than a relative dielectric constant of the liquid crystals in the direction of short axis.
 3. A liquid crystal display device comprising pixel electrodes, a dielectric overlapped on the ends of the pixel electrodes, an oriented film covering the dielectric and the pixel electrodes, and liquid crystals on the oriented film, the dielectric having a relative dielectric constant of not smaller than 20.
 4. A liquid crystal display device comprising pixel electrodes, a dielectric overlapped on the ends of the pixel electrodes, an oriented film covering the dielectric and the pixel electrodes, and liquid crystals on the oriented film, the dielectric having a relative dielectric constant of not smaller than 30.
 5. A liquid crystal display device comprising pixel electrodes, an oriented film on the pixel electrodes, a dielectric provided on the ends of the pixel electrodes, and liquid crystals on the oriented film and on the dielectric, the liquid crystals having a positive dielectric anisotropy, and the dielectric having a relative dielectric constant larger than a relative dielectric constant of the liquid crystals in the direction of long axis.

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6. A liquid crystal display device comprising pixel electrodes, an oriented film on the pixel electrodes, a dielectric provided on the ends of the pixel electrodes, and liquid crystals on the oriented film and on the dielectric, the liquid crystals having a negative dielectric anisotropy, and the dielectric having a relative dielectric constant larger than a relative dielectric constant of the liquid crystals in the direction of short axis.

7. A liquid crystal display device comprising pixel electrodes, an oriented film on the pixel electrodes, a dielectric provided on the ends of the pixel electrodes, and liquid crystals on the oriented film and on the dielectric, the dielectric having a relative dielectric constant of not smaller than 20.

8. A liquid crystal display device comprising pixel electrodes, an oriented film on the pixel electrodes, a dielectric provided on the ends of the pixel electrodes, and liquid crystals on the oriented film and on the dielectric, the dielectric having a relative dielectric constant of not smaller than 30.

9. A liquid crystal display device according to claim 4, wherein the cell gap is not larger than 4.5 μm , and the height of the dielectric is not larger than 25% of the cell gap.

10. A liquid crystal display device according to claim 8, wherein the cell gap is not larger than 4.5 μm , and the height of the dielectric is not larger than 25% of the cell gap.

11. A liquid crystal display device according to any one of claims 1 to 8, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on the opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

12. A liquid crystal display device according to any one of claims 1 to 8, wherein the dielectric is an oxide containing titanium or tantalum.

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13. A liquid crystal display device according to any one of claims 1 to 8, wherein
said liquid crystal display device is incorporated into an electronic equipment selected
from the group consisting of a video camera, a digital camera, a projector, a head
5 mounted displays, a car navigation system, a car stereo, a personal computers, and a
portable information terminal.

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